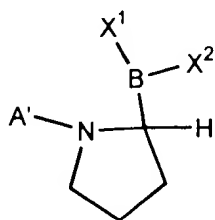


## Appendix A

35. (Thrice Amended) A mixture of stereoisomers consisting of a compound of the following structure and at least one stereoisomer thereof:



wherein each X<sup>1</sup> and X<sup>2</sup> is, independently, a hydroxyl group or a group that is hydrolyzed to a hydroxyl group at physiological pH;

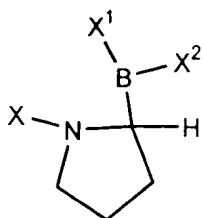
wherein at least 96% of the carbon atoms bearing boron are of the L-configuration;

wherein A' comprises an amino acid; and

wherein each of the compounds inhibits DP-IV activity.

36. (Amended) The mixture of claim 35, wherein X<sup>1</sup> and X<sup>2</sup> are hydroxyl groups.
37. (Cancelled)
38. (Cancelled)
39. (Amended) The mixture of claim 35, wherein 99% of the carbon atoms bearing boron are of the L-configuration.
40. (Amended) The mixture of claim 35, wherein A' is valine.
41. (Amended) The mixture of claim 35, wherein A' is alanine.
42. (Thrice Amended) A mixture of stereoisomers consisting of a compound of the

following structure and at least one stereoisomer thereof:



wherein each  $X^1$  and  $X^2$  is, independently, a hydroxyl group or a group that is hydrolyzed to a hydroxyl group at physiological pH;

wherein at least 96% of the carbon atoms bearing boron are of the L-configuration;

wherein X comprises an amino acid or a peptide; and

wherein each of the compounds inhibits DP-IV activity.

43. (Amended) The mixture of claim 42, wherein  $X^1$  and  $X^2$  are hydroxyl groups.

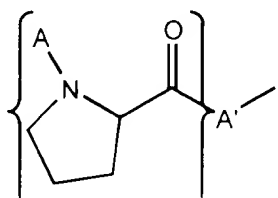
44. (Cancelled)

45. (Cancelled)

46. (Amended) The mixture of claim 42, wherein 99% of the carbon atoms bearing boron are of the L-configuration.

47. (Amended) The mixture of claim 42, wherein X is an L-amino acid.

48. (Amended) The mixture of claim 43, wherein X is a peptide having the structure



wherein m is an integer between 0 and 10, inclusive; and

wherein A and A' are L-amino acid residues such that the A in each repeating bracketed unit can be the same or a different amino acid residue.

49. (Amended) The mixture of claim 48, wherein A and A' are independently proline or alanine residues.

50. (Amended) The mixture of claim 48, wherein m is an integer between 1 and 10.

51. (Amended) The mixture of claim 48, wherein m is 1.